

Abstract

The present invention relates to an occlusion device (1) as well as a method for manufacturing an occlusion device (1). Occlusion device (1) consists substantially of a braiding (2) of thin wires or threads (4) made from a shape-memory material. In the expanded state, occlusion device (1) exhibits a proximal and a distal retention area (6, 8) as well as a cylindrical crosspiece (10) interposed therebetween. Because the proximal retention area (6) of braiding (2) exhibits a form which flares toward proximal end (12), an advantageous objective is achieved in that, in the inserted state of occlusion device (1), the lateral edge of proximal retention area (6) lies substantially flush with the septum wall and retention area (6) does not protrude past the septum wall. The inventive manufacturing method makes use of a braiding technique for producing a tubular braiding (2) open to the top and which needs only be provided with a holder (5) for bundling the threads or wires (4) of braiding (2) at one end (3), while at the opposite side (12), the threads or wires (4) of braiding (2) are intertwined from the center thereof. This thus allows a braiding (2) to be produced to serve as the starting structure for the inventive occlusion device, whereby the proximal retention area (6) of said starting structure exhibits a flaring toward the proximal end (12). The opening of the braiding (2) at proximal end (12) is then subsequently covered, for example by a Dacron insert or by a fabric, such that the proximal end (12) of the finished occlusion device (1) is then no longer open.

(Fig. 1a)